

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/06630

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G01D5/245

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G01D5/245

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Toroku Jitsuyo Shinan Koho	1994-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1054238 A (Atsutoshi GOTO), 22 November, 2000 (22.11.00), Full text; all drawings & JP 2000-329505 A	1-3
A	JP 2000-283861 A (Toyoda Machine Works, Ltd.), 13 October, 2000 (13.10.00), Full text; all drawings (Family: none)	1-3
A	EP 1090699 A (MURATA KIKAI KABUSHIKI KAISHA), 11 April, 2001 (11.04.01), Full text; all drawings & CN 1292309 A & JP 2001-74408 A	1-3

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
17 July, 2003 (17.07.03)

Date of mailing of the international search report  
05 August, 2003 (05.08.03)

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